1176-55-103 **Loring W. Tu*** (`loring.tu@tufts.edu`). *Computing the Push-Forward Map Using Fixed Points.*

A continuous map $f\colon X \to Y$ of topological spaces induces a homomorphism in cohomology $f_*\colon H^*(X) \to H^*(Y)$ called the **Gysin map** or the **push-forward map**. In enumerative geometry, one often needs to know the cohomology class of the image of a cycle A in the space X under the map f. Such a formula has been given for many different maps, for example, when $f\colon X \to Y$ is a projective bundle, a Grassmann bundle, or more generally, a homogeneous-space bundle. Using the equivariant localization formula, we generalize these push-forward formulas to a bundle with equivariantly formal fibers. (Received January 16, 2022)